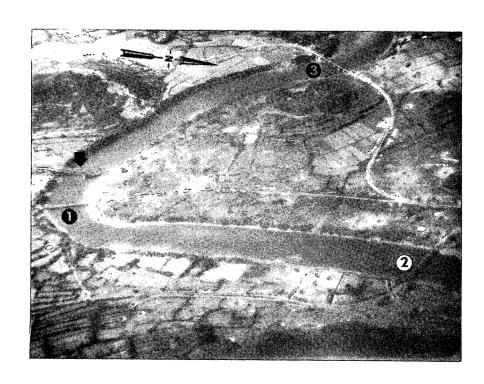
# Approved For Release 2002/08/12 CIA-RDR78T05161A001600100001-1

DDI IMAG	GERY ANALYSIS STAFF	
NAME Qui Vinh RR. Bridge No. 1 over Song Hoang Mai Bridge No. 1 on NE 48-3	COUNTRY  North Vietnam	COORDINATES  19 15N - 105 41E 25X  WG724298
MAP JOG (A) 1501 NE 48-3 LOCATION: 0.4 nm W of Qui Vinh on Har	noi/Dong Hoi Rail Line.	BRIEF NO: 25X PIB 75603 April 1967
DESCRIPTION:		
LENGTH 260' WIDTH TYPE Through-truss	MATERIAL Steel and cons. of spans 2 LENGTH OF EACH SPAN 130	25)
STATUS: No change		25>
	•	25X
		timber deck- '; llO' E of main bridge;
undergoing re By-Pass No. 2 - no change	pairs; unserviceable.	25X
By-Pass No. 3 - no change		25X
	7	25)

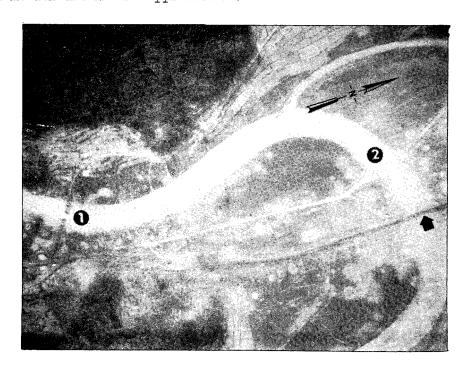
NOTE: All measurements are approximate.



## Approved For Release 20 (2008/14) FINT-PAP78T05161A001600100001-1

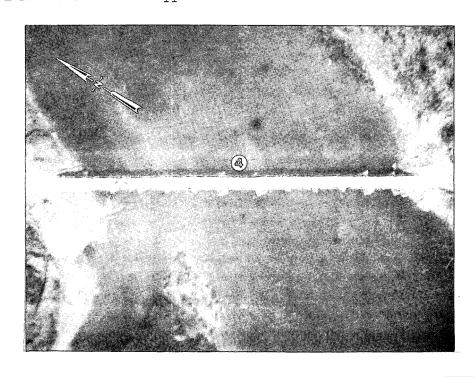
	DDI IMAGERY ANALYSIS STAFF	-
25X1	NAME Tam Da RR. and Hwy. Bridge COUNTRY COORDINATES  over Song Cua Lo	•
25X1	BRIEF NO: PIB 75606  MAP JOG (A) 1501 NE 48-7  April 1967	
-	LOCATION: 2.3 nm NE of Tam Da on the Hanoi/Dong Hoi Rail Line.	-
25X1	DESCRIPTION:  LENGTH 360' WIDTH TYPE  Deck-beam  MATERIAL Timber and concrete No. of spans 12 probable LENGTH of EACH SPAN 30'	
	STATUS: Probably repaired and serviceable; l approach interdicted.	
	By-Pass No. 1 - 13-span single track wood and concrete deck-type rail bridge with spans measuring	25X <sup>2</sup>
25X1	2 @ 75', 11 @ 25'; 1650' S of main bridge; 2 spans and 1 pier destroyed; unserviceable.  By-Pass No. 2 - no change	25X <sup>2</sup>
25X1		

NOTE: All measurements are approximate.



## 

	DDI IMAG	ERY ANALYSIS STAFF		
25X1	NAME Xom Ca Trang Hwy. Bridge No.  1 over Rao Cai	Nowth Winter	coordinates 17 57N - 105 49E WE873856	
25X1	Bridge No. 3 on NE 48-11	North Vietnam	WEG (3050 BRIEF NO: PIB 75608	
L	MAP JOG (A) 1501 NE 48-11		April 1967	
-	LOCATION: 0.6 nm W of Xom Ca Trang on	Route 15.		
	DESCRIPTION:			
25X1	width TYPE Deck	material Steel and cono. of spans 4 Length of Each span 2 @		
	STATUS: Cloud cover precludes interpr	etation of main bridge	•	
	COMPENSATIVE ACTION:			,
25X1	By-Pass No. 1 -  By-Pass No. 2 - no change  By-Pass No. 3 - no change  By-Pass No. 4 - (formerly by-	no change (not illus (not illus pass No. 1 - [ ype bridge with timber	strated). 11-span 275' x 10'	<sup>d</sup> ). 25X1 25X1
25X1		35'; 3900' SW of main		25X1
25X1				



#### Approved For Release 200208/#201014FR0P78T05161A001600100001-1

_	NAME Thanh Thuy Hwy. Bridge over	COUNTRY	COORDINATES
X1	stream		17 47N - 106 14E
_	Bridge No. 43 on NE 48-11	North Vietnam	XE310682
X1[			BRIEF NO:
			PIB 75610
•	MAP JOG (A) 1501 NE 48-11		April 1967
	LOCATION: At Thanh Thuy on Route 1.	10.	

25X1 WIDTH

30' Deck material Wood with concrete abutments NO. OF SPANS 2 LENGTH OF EACH SPAN  $15^{\dagger}$ 

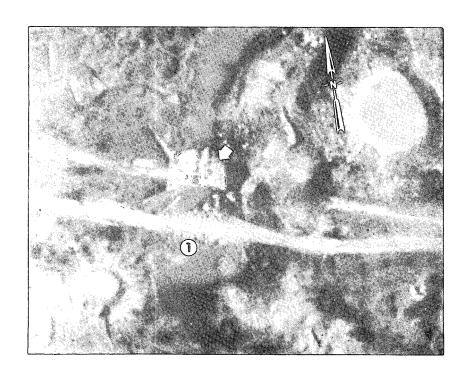
STATUS:

Deck destroyed; 1 abutment damaged.

#### COMPENSATIVE ACTION:

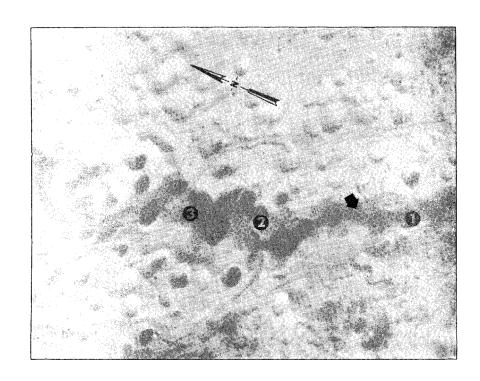
By-Pass No. 1 - 40' x 15' rock/gravel causeway; 50' S of main bridge; serviceable.

25X1



## Approved For Release 200@04710614778778T05161A001600100001-1

	DDI IMA	AGERY ANALYSIS STAFF	
-	NAME Bau Khe Hwy. Bridge over	COUNTRY	COORDINATES
25X1	stream		17 40N - 106 30E
	Bridge No. 15 on NE 48-12	North Vietnam	XE601541
25X1			BRIEF NO:
Į			PIB 75611
	MAP JOG (A) 1501 NE 48-12		7 April 1967
	LOCATION: 1.6 nm NW of Ly Hoa on Ro	ute lA.	
	DESCRIPTION:		
	LENGTH 301	material Wood	
25X1	WIDTH	NO. OF SPANS	
23/1	TYPE Deck-beam	LENGTH OF EACH SPAN	) 1
	DCCK-bcom	9	
051/4	STATUS:		
25X1	No change		
	COMPENSATIVE ACTION:		
25X1	By-Pass No. 1 -	20' natural ford;	50' S of main bridge;
	serviceable.		
	By-Pass No. 2 - 60' natural :		
	By-Pass No. 3 - 35' natural :	ford; 150' N of main br	idge; serviceable.
2EV4			
25X1			
	NOTE: All measurements are approx	ximate.	



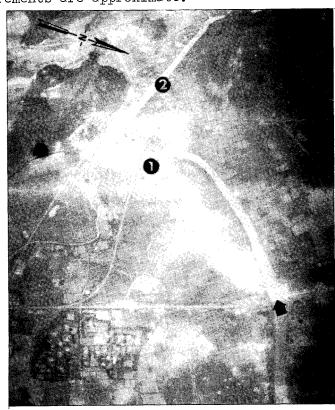
## Approved For Release 200204120247RP78T05161A001600100001-1

	DDI I	MAGERY ANALYSIS STAFF		
N AME	Thinh Lac RR. Bridge over	COUNTRY	COORDINATES	
strear			1.9 40N - 105 42E	
Bridge	e No. 12 on NE 48-3	North Vietnam	WG741748	
			BRIEF NO:	
			PIB 75612	
MAP	JOG (A) 1501 NE 48-3	· · · · · · · · · · · · · · · · · · ·	April 1967	
LOCATION	: 0.2 nm E of Thinh Lac on	the Hanoi/Dong Hoi Ra	il Line.	
DESCRIPTI	on:			
LENGTH	100'	material Steel a	nd concrete	
WIDTH	10 '	NO. OF SPANS 3		
TYPE	Through-truss	LENGTH OF EACH SPAN		2
STATUS:				
-	L span damaged; under activ	e repair.		
COMPENSA	TIVE ACTION:			
7	By-Pass No. 1	no change		2
-	7, -1 ass no. 1	no change		۷.



#### Approved For Release 20**(2014 FIZ): FN/T-FACI**P78T05161A001600100001-1

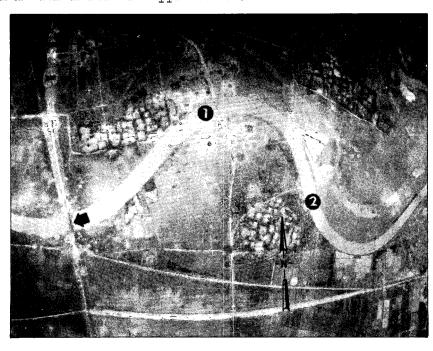
-	DDI IMAG	BERY ANALYSIS STAFF		_
25X1	over Hoang Giang	COUNTRY	COORDINATES  19 43N - 105 42E  XG748815	
25X1	Bridge No 33 on NE 48_3	North Vietnam	BRIEF NO: PIB 75613	1
-	LOCATION: 0.5 nm N of Thien Linh Dong	g on the Hanoi/Dong Hoi	April 1967 Rail Line.	•
25X1	DESCRIPTION:  LENGTH 801  WIDTH TYPE Deck-girder	material Steel and no. of spans 2 Length of Each span 40'		
25X1	No change			
05)//	COMPENSATIVE ACTION:  By-Pass No. 1 - with lattice	4-span ti	imber deck-type bridge	25X 25X1
25X1 25X1	bridge; reparation by-Pass No. 2 -	ired and serviceable.		25X1
25X1				



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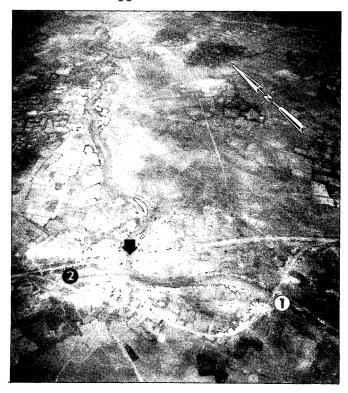
	DDI IMAG	SERY ANALYSIS STAFF		
	NAME Trong Quang Tien RR. Bridge	COUNTRY	COORDINATES	
25X1	over Song Yen		19 37N - 105 42E	
>	Bridge No. 37 on NE 48-3	North Vietnam	WG740696 BRIEF NO:	
25X1			PIB 75614	
	MAP JOG (A) 1501 NE 48-3		April 1967	
	LOCATION: 1.2 nm E of Trong Quang Tie	en on Hanoi/Dong Hoi Ra		
	DESCRIPTION:			
	LENGTH 1951	material Wood		
25X1	TYPE  Deck-beam with lattice	NO. OF SPANS 5 LENGTH OF EACH SPAN		25X1
	towers			_0,
25X1	status: No change			
	1.0 0.1.2.1.50			
	COMPENSATIVE ACTION:			
25X1	By-Pass No. 1 -	8-span	wood and steel deck-beam	25X1
	bridge with s	pans measuring	1000' NE of	25X1
			damaged; unserviceable.	
25X1	By-Pass No. 2 -	probable 8-span	timber deck- leach; 1890' E of main	25X1
		piers and abutments in		•
		inserviceable.	, care to	
25X1				
_ J/\ I				

NOTE: All measurements are approximate.



## Approved For Release 2002/08/17 EMTRAP78T05161A001600100001-1

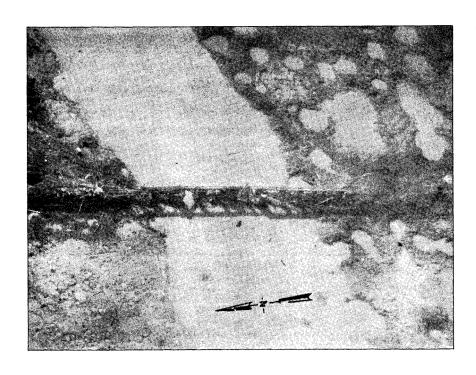
		DDI IMAGERY ANALYSIS STAFF	
25X1	NAME Thi Long RR. Bridge	SE COUNTRY	19 30N - 105 44E
25X1	Bridge No. 38 on NE 48-	North Vietnam	WG775577 BRIEF NO:
20/(1			PIB 75615
	MAP JOG (A) 1501 N	E 48-3	April 1967
	LOCATION: 1 nm E of Que Lar	m on the Hanoi/Dong Hoi Rail Lir	ne.
	DESCRIPTION:		
25X1	LENGTH 801 WIDTH TYPE Deck	MATERIAL WOOD NO. OF SPANS 7 LENGTH OF EACH SPAN	25X1
25X1	STATUS: No change		
	COMPENSATIVE ACTION:		
25X1		span single track wood idge with spans measuring 20'; 9	deck-beam type railroad 060' S of main bridge;
25X1	By-Pass No. 2 - sin		am railroad bridge; 600' W
25X1			



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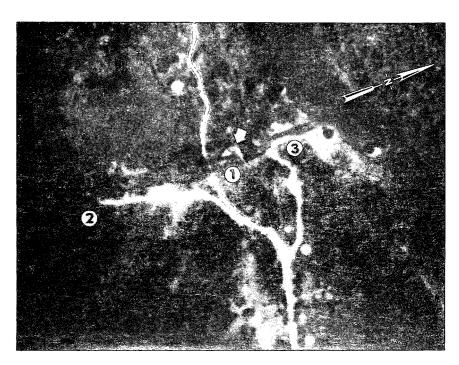
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•		DDI IMAGERY ANALYSIS STAFF	
•	NAME Tam Da RR. and Hwy. Brid	ge COUNTRY	COORDINATES
25X1	over Song Cua Lo		18 50N - 105 39E
	Bridge No. 18 on NE 48-7	North Vietnam	WF691839
25X1			BRIEF NO:
			PIB 75618
	MAP JOG (A) 1501 NE 48-		April 1967
	LOCATION: 2.3 nm NE of Tam Da o	n the Hanoi/Dong Hoi Rail Li	ne and Route LA.
	DESCRIPTION:		
	LENGTH 360!	MATERIAL Concrete an	d timber
25X1	WIDTH	NO. OF SPANS 12 probab	le
20/(1	Deck-beam	LENGTH OF EACH SPAN 301	
	STATUS:	and a management of the con-	mione both objetments
	Southernmost span destr damaged.	oyed; possible damage to one	pier; both abutments
	acamo Boars		
	COMPENSATIVE ACTION:		
	By-Pass No. 1 - no chan	ge (not illu	strated). 25X1
	By-Pass No. 2 - no chan		strated).
	•		
25X1			
23/\ I			



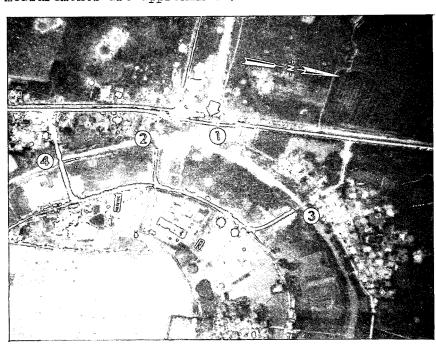
## Approved For Release 200@08170EMTRAP78T05161A001600100001-1

	DDI IMAGERY ANALYSIS STAFF	
NAME	COUNTRY	COORDINATES
Ban Pieng Hom Hwy. B Bridge No. 3 on NE 4		19 22N - 104 13E VG187418
<1 \( \)	THOUGHT VICORUM	BRIEF NO:
		PIB 75624
MAP JOG (A) 1501	NE 48-2	April 1967
LOCATION: 1.0 nm NW of	an Pieng Hom on Route 7.	_
DESCRIPTION:	_	
LENGTH 150' WIDTH 10' TYPE 10' Deck	material Concrete no. of spans 3 LENGTH OF EACH SPAN 50'	
status:  1 No change		
COMPENSATIVE ACTION:		
By-Pass No. 1 -	no change	2
By-Pass No. 2 -	no change	<u>.</u>
By-Pass No. 3 -	constructed 60' x 25' ford; probable	e rock/gravel base;
	115' N of main bridge; serviceable.	
(1		
NOTE: All measureme	ts are approximate.	



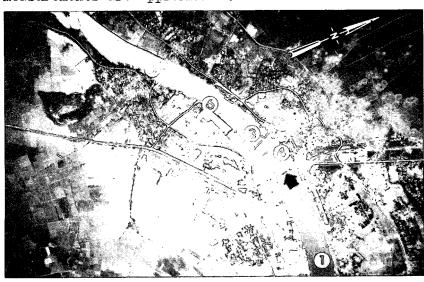
#### Approved For Release 20(2708/12) [NA-POP78T05161A001600100001-1

		DDI IMAGERY ANALYSIS STAFF	
-	NAME Yen Xa RR. and Hwy. Br	ridge COUNTRY COORDINATES	
X1	over stream	20 02N - 105 51E	
	Bridge No. 12 on NF 48-15	North Vietnam WH888165	
X1[		BRIEF NO:	
L		PIB 75628 48-15 April 1967	
-	MAP JOG (A) 1501 NF 1		
	LOCATION: 0.5 nm W of Quang 1	Lang Dong on Hanoi/Dong Hoi Rail Line and Route LA.	
	DESCRIPTION:		
	LENGTH 55!	MATERIAL Steel and concrete	
	WIDTH 151	NO. OF SPANS	
	Half-through truss	LENGTH OF EACH SPAN 55	
	_		
<b>(</b> 1	STATUS:		
<b>\</b> 1	No change	0	
	COMPENSATIVE ACTION:		
	By-Pass No. 1 - no ch	hange	2
	By-Pass No. 2 - no cl	hange	
	By-Pass No. 3 - 4-spa	an 80' x 10' probable timber deck-type highway brid	lge
<b>X</b> 1			
	400 *	SE of main bridge; serviceable.	
X1	with piers By-Pass No. 4 - sing	spans measuring 20'; 500' NE of main bridge; U/C, s complete, unserviceable.	



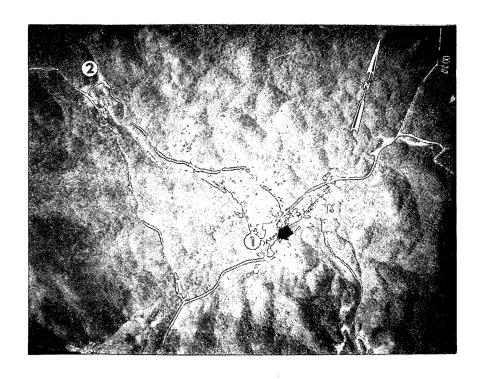
## Approved For Release 200308410 FOA PAPP78T05161A001600100001-1

	DDI IMAC	SERY ANALYSIS STAFF		_
-	NAME Dong Phuong Thuong RR. & Hwy.	COUNTRY	COORDINATES	
<b>(</b> 1	Br. over Song Len		19 58N - 105 50E	
_	Bridge No. 6 on NE 48-3	North Vietnam	WH886091	_
(1]			BRIEF NO:	
			PIB 75630	
_	MAP JOG (A) 1501 NE 48-3	·/¬	April 1967	_
	LOCATION: 0.5 nm E of Na Thon on Hand	oi/Dong Hoi Rail L	ine and Route LA.	
	DESCRIPTION:			
	LENGTH 5251	MATERIAL Steel	and concrete	
(1	WIDTH	NO. OF SPANS 2		
<b>\</b> I	Through-truss	LENGTH OF EACH SPAN	¹ 175¹	
	2111 04811 01 402			
(1	STATUS:	7		
<b>\</b> 1	No change			
	COMPENSATIVE ACTION:			
		steel deck-b	eam rail bridge with timber	
(1	By-Pass No. 1 - 13-span		eam rail bridge with timber	, 
<b>〈</b> 1	By-Pass No. 1 - 13-span piers; spans	measuring ain bridge; service	eable.	
<b>〈</b> 1	By-Pass No. 1 - 13-span  piers; spans 1350' E of market  By-Pass No. 2 - no change	measuring ain bridge; servic	eable. illustrated).	
<b>(</b> 1	By-Pass No. 1 - 13-span  piers; spans 1350' E of ma  By-Pass No. 2 - no change  By-Pass No. 3 - por	measuring ain bridge; servic	eable.	2
	By-Pass No. 1 - 13-span piers; spans 1350' E of me By-Pass No. 2 - no change By-Pass No. 3 - por serviceable.	measuring ain bridge; servic	eable. illustrated).	
	By-Pass No. 1 - 13-span piers; spans 1350' E of me By-Pass No. 2 - no change By-Pass No. 3 - por serviceable. By-Pass No. 4 - no change	measuring ain bridge; service (not ntoon highway brid	eable. illustrated). ge; 900' W of main bridge;	2
	By-Pass No. 1 - 13-span piers; spans 1350' E of m By-Pass No. 2 - no change By-Pass No. 3 - poi serviceable. By-Pass No. 4 - no change By-Pass No. 5 - 300' x 10' can	measuring ain bridge; service (not ntoon highway brid able/suspension br	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood	2
	By-Pass No. 1 - 13-span  piers; spans 1350' E of ma  By-Pass No. 2 - no change  By-Pass No. 3 - poi  serviceable.  By-Pass No. 4 - no change  By-Pass No. 5 - 300' x 10' ca  decking (in serviceable)	measuring ain bridge; service (not ntoon highway brid able/suspension br	eable. illustrated). ge; 900' W of main bridge;	2:
	By-Pass No. 1 - 13-span  piers; spans 1350' E of ma  By-Pass No. 2 - no change  By-Pass No. 3 - poi  serviceable.  By-Pass No. 4 - no change  By-Pass No. 5 - 300' x 10' ca  decking (in a  destroyed.	measuring ain bridge; service (not ntoon highway brid able/suspension br rolls); 3000' SW o	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood f main bridge; completely	2: 2: 2:
	By-Pass No. 1 - 13-span  piers; spans 1350' E of me By-Pass No. 2 - no change By-Pass No. 3 - por serviceable. By-Pass No. 4 - no change By-Pass No. 5 - 300' x 10' ce decking (in destroyed. By-Pass No. 6 - ferry landing	measuring ain bridge; service (not ntoon highway brid able/suspension br rolls); 3000' SW o	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood f main bridge; completely	2 2
	By-Pass No. 1 - 13-span  piers; spans 1350' E of ma  By-Pass No. 2 - no change  By-Pass No. 3 - poi  serviceable.  By-Pass No. 4 - no change  By-Pass No. 5 - 300' x 10' ca  decking (in a  destroyed.	measuring ain bridge; service (not ntoon highway brid able/suspension br rolls); 3000' SW o	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood f main bridge; completely	2: 2: 2:
	By-Pass No. 1 - 13-span  piers; spans 1350' E of me By-Pass No. 2 - no change By-Pass No. 3 - por serviceable. By-Pass No. 4 - no change By-Pass No. 5 - 300' x 10' ce decking (in destroyed. By-Pass No. 6 - ferry landing	measuring ain bridge; service (not ntoon highway brid able/suspension br rolls); 3000' SW o	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood f main bridge; completely	2: 2: 2:
	By-Pass No. 1 - 13-span  piers; spans 1350' E of me By-Pass No. 2 - no change By-Pass No. 3 - por serviceable. By-Pass No. 4 - no change By-Pass No. 5 - 300' x 10' ce decking (in destroyed. By-Pass No. 6 - ferry landing	measuring ain bridge; service (not ntoon highway brid able/suspension br rolls); 3000' SW o	eable. illustrated). ge; 900' W of main bridge; idge with removeable wood f main bridge; completely	2 2



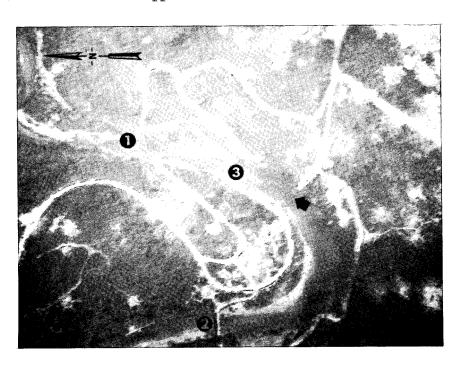
## Approved For Release 20**(20)8/12) FN7-FQ**P78T05161A001600100001-1

•	DDI IMAGERY ANALYSIS STAFF			
•	NAME Ha Chanh Hwy. Bridge over	COUNTRY	COORDINATES	
25X1	stream Bridge No. 1 on NF 48-12	North Vietnam	21 07N - 107 21E YJ440371	
25X1			BRIEF NO: PIB 75631	
'	MAP JOG (A) 1501 NF 48-12		April 1967	
•	LOCATION: 0.8 nm W of Ha Chanh on Rou	ite 18.		
	DESCRIPTION:			
25X1	WIDTH 120' TYPE Half-through truss	material Steel and c no. of spans 3 LENGTH OF EACH SPAN 2@		
	STATUS:			
25X1	No change			
	COMPENSATIVE ACTION:			
	By-Pass No. 1 - 4-span 40' x 10'; 90' W of	10' wood deck-type bri main bridge; servicea		
25X1 25X1	By-Pass No. 2 - 4-span		dge with spans measuring	
25X1				



## Approved For Release 2003/04/18 ENHARDP78T05161A001600100001-1

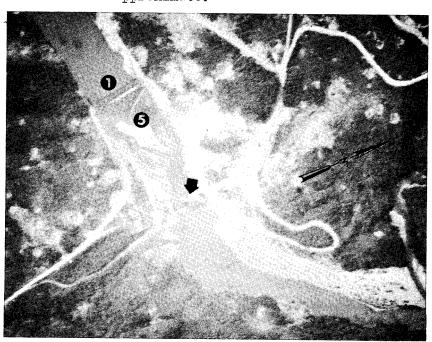
_	DDI IMAGERY ANALYSIS STAFF				
 25V1	NAME Xom Ca Trang Hwy. Bridge over Nam Quat	COUNTRY	COORDINATES 17 57N - 105 48E		
25X1	Bridge No. 17 on NE 48-11	North Vietnam	WE861859		
5X1			PIB 75635		
-	MAP JOG (A) 1501 NE 48-11  LOCATION: 0.8 nm NW of Xom Ca Trang of	n Route 15.	April 1967		
		11 1.00.00 12,0			
25X1	LENGTH 1901 WIDTH TYPE Deck	MATERIAL Concrete an No. of spans 2 probable LENGTH OF EACH SPAN 95'			
25X1	No change				
	COMPENSATIVE ACTION:				
	By-Pass No. 1 - constructed 90' x 10' ford; probable rock/gravel base; 500' N of main bridge; serviceable.				
25X1	360' WNW	No. 2 - 6-span 70' x 10' wood deck-type bridge with spans measuring 360' WNW of main bridge; serviceable.			
	By-Pass No. 3 - constructed 100' x 10' ford; probable rock/gravel base; 175' NNE of main bridge; serviceable.				
25X1					



# Approved For Release 2002/08/12 DENTIAL PROP78T05161A001600100001-1

	DDI IMAGERY ANALYSIS STAFF	
	NAME Xom Ca Trang Hwy. Bridge No. 1 COUNTRY	COORDINATES
25X1	over Rao Cai	17 57N - 105 49E
051/4	Bridge No. 3 on NE 48-11 North Vietnam	WE873856
25X1		BRIEF NO:
	MAN TO A 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PIB 75636
	LOCATION: 0 6 nm W of Yom Ca Trans on Pouto 15	April 1967
	LOCATION: 0.6 nm W of Xom Ca Trang on Route 15.	•.
	DESCRIPTION:	
25X1	WIDTH NO. OF SPANS 1	
•	Deck Length of Each sp	<sup>AN</sup> 2@90', 2@85'
25X1	STATUS: No change	
	COMPENSATIVE ACTION:	
	By-Pass No. 1 - no change	25/(1
		t illustrated). 25X1
25X1	By-Pass No. 3 - no change	·
	By-Pass No. 4 - 11-span 275' x 10' timber dec	
	spans measure	3900' SW of main bridge;
	6 spans destroyed; unservicea	ble. 25X1
	By-Pass No. 5 - constructed 300' x 20' ford; 375' W of main bridge; servic	probable rock/gravel base;
	31) wol main bridge; servic	eapre.
OEV4	·	
25X1		

 $\mathtt{NOTE:}\$  All measurements are approximate.



Approved For Release 2000 Not 10 ENTA-ADP78T05161A0016001

#### Approved For Release 20(27)8/12) [147-130]P78T05161A001600100001-1

DDI IMAGERY ANALYSIS STAFF

PIB 75636 Page 2

